

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
WATER QUALITY IMPACT EVALUATION CHECKLIST

650-050-37
 ENVIRONMENTAL
 MANAGEMENT
 10/17

PART 1: PROJECT INFORMATION

Project Name:	Poinciana Parkway Extension
County:	Polk and Osceola
FM Number:	NA
Federal Aid Project No:	NA
Brief Project Description:	The Poinciana Parkway Extension PD&E Study includes an evaluation of alternatives to extend the existing Poinciana Parkway (SR 538) from the existing bridge over the Reedy Creek Mitigation Bank to CR 532. The project is a proposed tolled 4-lane expressway within approximately 330 feet of right-of-way (ROW). This ROW width provides for expansion for additional lanes and/or other multi-modal travel options if needed in the future. The project also includes interchanges with other county and state roads, bridges over wetlands in the Reedy Creek Mitigation Bank and South Florida Water Management District (SFWMD) owned/managed Upper Lakes Basin Watershed habitat, as well as bridges over local roads and railroads. Stormwater management facilities are also being evaluated.

PART 2: DETERMINATION OF WQIE SCOPE

Does project discharge to surface or ground water? Yes No

Does project alter the drainage system? Yes No

Is the project located within a permitted MS4? Yes No

Name: _____

If the answers to the questions above are no, complete the applicable sections of Part 3 and 4, and then check Box A in Part 5.

PART 3: PROJECT BASIN AND RECEIVING WATER CHARACTERISTICS

Surface Water

Receiving water(s) names: Reedy Creek above Lake Russell (WBID 3170C)

Water Management District: South Florida and Southwest Florida Water Management Districts

Environmental Look Around meeting date: [Click here to enter a date.](#)

Attach meeting minutes/notes to the checklist.

Water Control District Name (list all that apply): Reedy Creek Improvement District

Groundwater

Sole Source Aquifer (SSA)? Yes No

Name Biscayne Sole Source Aquifer and Recharge Zone

If yes, complete Part 5, D and complete SSA Checklist shown in Part 2, Chapter 11 of the PD&E Manual

Other Aquifer? Yes No

Name Floridan

Springs vents? Yes No

Name _____

Well head protection area? Yes No

Name _____

Groundwater recharge? Yes No

Name _____

Notify District Drainage Engineer if karst conditions are expected or if a higher level of treatment may be needed due to a project being located within a WBID verified as Impaired in accordance with Chapter 62-303, F.A.C.

Date of notification: [Click here to enter a date.](#)

PART 4: WATER QUALITY CRITERIA

List all WBIDs and all parameters for which a WBID has been verified impaired, or has a TMDL in [Table 1](#). This information should be updated during each re-evaluation as required.

Note: If BMAP or RAP has been identified in [Table 1](#), [Table 2](#) must also be completed. Attach notes or minutes from all coordination meetings identified in [Table 2](#).

EST recommendations confirmed with agencies? Yes No

BMAP Stakeholders contacted: Yes No

TMDL program contacted: _____ Yes No

RAP Stakeholders contacted: Yes No

Regional water quality projects identified in the ELA Yes No

If yes, describe:

Potential direct effects associated with project construction and/or operation identified?

Yes No

If yes, describe:

The project consists of a new limited access toll facility that will introduce new pollutant discharges into the watershed. Alternatives 4A and 5A (with and without slip ramps to Ronald Reagan Parkway cross the Reedy Creek Mitigation Bank and portions of the Reedy Creek Upper Lakes Basin - SFWMD lands. The proposed improvements include bridges over the wetland areas and existing access roads within the bank. Stormwater management facilities will be constructed in accordance with State criteria to minimize impacts from this new road facility.

Discuss any other relevant information related to water quality including Regulatory Agency Water Quality Requirements.

The project study area is located within WBID 3170C - Reedy Creek Above Lake Russell, which is not identified as an OFW or impaired water body, but is part of the Lake Kissimmee Total Maximum Daily Load (TMDL) Basin and Lake Okeechobee Basin Management Plan (BMAP) which are impaired for nutrients. The project also discharges to the Reedy Creek Mitigation Bank which was considered a sensitive water body in previous Poinciana Parkway Segments 1, 2, and 3 Environmental Resource Permits. As such, an additional 50% of treatment volume is included in the preliminary pond siting analysis and will be a commitment in future design and permitting.

PART 5: WQIE DOCUMENTATION

- A. No involvement with water quality
- B. No water quality regulatory requirements apply.
- C. Water quality regulatory requirements apply to this project (provide Evaluator's information below). Water quality and stormwater issues will be mitigated through compliance with the design requirements of authorized regulatory agencies.
- D. EPA Ground/Drinking Water Branch review required. Yes No
Concurrence received? Yes No
If Yes, Date of EPA Concurrence: [Click here to enter a date.](#)
Attach the concurrence letter

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by FDOT pursuant to 23 U.S.C. § 327 and a Memorandum of Understanding dated December 14, 2016 and executed by FHWA and FDOT.

Table 1: Water Quality Criteria

Receiving Waterbody Name (list all that apply)	FDEP Group Number / Name	WBID(s) Numbers	Classification (I,II,III,IIIL,IV,V)	Special Designations*	NNC limits**	Verified Impaired (Y/N)	TMDL (Y/N)	Pollutants of concern	BMAP, RA Plan or SSAC
Reedy Creek Above Lake Russell	4/ Kissimmee River	3170C	III	NA	NA	No	No	Biology but causative pollutant not identified	NA
Lake Okeechobee	1	3212A - I	I	NA	140 metric tons/yr	Yes	Yes	TP	Yes
Lake Kissimee	4/Kissimmee River	3183B	III	NA	NA	Yes	Yes	TN	NA

* ONRW, OFW, Aquatic Preserve, Wild and Scenic River, Special Water, SWIM Area, Local Comp Plan, MS4 Area, Other

** Lakes, Spring vents, Streams, Estuaries

Note: If BMAP or RAP has been identified in [Table 1](#), [Table 2](#) must also be completed.

Table 2: REGULATORY Agencies/Stakeholders Contacted

Receiving Water Name (list all that apply)	Contact and Title	Date Contacted	Follow-up Required (Y/N)	Comments
N Reedy Creek	SFWMD	11/27/18	No	See attached Pre-application Meeting Minutes
	Reedy Creek Improvement District	NA	No	Representatives from the RCID are included on the Environmental Advisory Group and have attended 2 EAG meetings (8/15/18 and 2/19/19)

MEETING NOTES

SFWMD Pre-Application Meeting

Osceola Parkway Extension (599-223) & Poinciana Parkway Extension (599-224A) Project Development & Environmental (PD&E) Study Osceola and Orange Counties

Location: SFWMD Orlando Service Center; Date: Tuesday, November 27, 2018; Time: 8:30 am

1. INTRODUCTION – See Attached Sign In sheet

2. PROJECTS OVERVIEW and STATUS

- a. Osceola Parkway Extension - Construct new limited access facility from SR 417 to Sunbridge Parkway; Permit for 8-lane typical section (Osceola and Orange County)
- b. Poinciana Parkway Extension – Construct new limited access facility from Poinciana Parkway to CR 532; (Osceola and Polk County)

3. STORMWATER CRITERIA

- a. Water Quantity
 - i. Mr. Daron confirmed that SFWMD will follow the attenuation criteria set forth by Counties (Orange and Osceola) as this is considered the historic discharge rates for these areas:
 1. Osceola County: 10-year/72-hour storm event (using SFWMD72 distribution) (8.0 inches)
 2. Orange County: 25-year/24-hour with Orange distribution (8.6 inches) (*Osceola Parkway Extension only*)
- b. Water Quality
 - i. Standard Wet detention criteria: Greater of the first one (1) inch of runoff from the total developed project or runoff from two and one-half (2.5) inches over the net new impervious area
 - ii. Additional treatment and/or nutrient loading requirements are required if the proposed improvements are within an impaired WBID:
 1. Mr. Daron confirmed that Phosphorous Loading calculations are not required if the only basis is because the project is within the Lake Okeechobee BMAP
 2. *Poinciana Parkway Extension*- Mr. Ady recommended that CFX follow the criteria set forth in the previous Poinciana Parkway permit as a template for this project
 - iii. In the area of the Reedy Creek Mitigation Bank, alternative treatment systems may be considered such as providing linear treatment swales which discharge via sheet flow to the adjacent wetlands, but are not sized for attenuation in order to avoid wetland impacts.
- c. Floodplain compensation options -
 - i. Cup for Cup between the 100-year elevation and estimated average wet season water table
 - ii. Can be provided within the proposed stormwater ponds
 - iii. Mr. Daron confirmed that stormwater modeling is not allowed to demonstrate compensation, only cup for cup
- d. Other-
 - i. As part of the permit application, a list of impacted permitted facilities should be provided for the District's use in tracking future compliance

- ii. Mr. Daron confirmed that the District will allow flexibility in the dimensional criteria for wet detention ponds for linear transportation projects
- iii. Any impacts to District lands (i.e. conservation, Canal R/W, etc.) will require further coordination outside of the Regulatory department.
- iv. Existing borrow pits
 - 1. If they were previously permitted to provide floodplain compensation, then any impacts to this volume would need to be mitigated. If the borrow pits were not permitted for floodplain compensation, then floodplain impacts would not need to be considered.
 - 2. Existing borrow pits can be evaluated to be converted into stormwater ponds
 - 3. Permitted Pre-development discharge can provide proof of discharge, but may need to be evaluated for reasonableness prior to use in comparison against the post-development discharge
 - 4. Pre-post volume may be required where there was no permitted pre-development discharge

4. ENVIRONMENTAL

- a. Osceola Parkway Extension
 - i. Advanced Notification Package originally submitted by Florida's Turnpike in April 2012
 - ii. PEIR completed in May 2017. Recommended alternative included 144 acres of wetland impacts
 - iii. PEIR Reevaluation initiated in July 2017 to evaluate additional alternatives
 - 1. Ms. Gough outlined that the goal of this reevaluation was to develop an avoidance alternative for impacts to Split Oak Forest and to work with some of the adjacent landowners.
 - 2. Ms. Gough noted that there have been ongoing discussion with Florida Communities Trust regarding potential impacts to Split Oak Forest.
 - iv. Mr. Dailey outlined the alternatives which are currently under consideration.
 - 1. Boggy Creek Alternative (west of Narcoosee Road)
 - 2. Lake Nona Alternative (west of Narcoosee Road)
 - 3. Alternative 107C-1 (east of Narcoosee Road)
 - 4. Alternative 207D-1 (Split Oak Forest avoidance alternative)
 - v. Natural Resource Evaluation update being prepared to evaluate wetland and potential species habitat effects.
 - 1. Mr. Dailey noted that there are several bald eagle nests located within the project corridor and the project is also within the consultation area for the caracara and scrub-jay.
 - 2. Mr. Ady noted that either of the alignments will impact District-owned lands.
 - 3. Mr. Ady noted that it will be important to demonstrate avoidance and minimization of wetland impacts.
 - vi. Mitigation Opportunities – there are multiple mitigation bank options in this area.
 - vii. Permit discussion: Mr. Daron noted that if the project impacts an existing permitted facility, the permittee will be responsible for making sure that they are still in compliance.
- b. Poinciana Parkway Extension
 - i. Advanced Notification Package submitted in September 2018.
 - ii. Environmental Advisory Group Meeting held August 15, 2018. SFWMD in attendance.
 - iii. Alternatives 1, 4 and 5 carried forward from previous Feasibility Study.
 - iv. Alternatives 4 and 5 extend into Reedy Creek Mitigation Bank and Upper Lakes Basin Watershed. Alternative 1 minimizes impacts to Reedy Creek Mitigation Bank, and avoids Upper Lakes Basin. But Alternative 1 has greater impacts to existing and proposed

- developments, listed species and business/residential impacts.
- v. Natural Resource Evaluation being prepared to evaluate wetland and species habitat effects.
 - vi. Evaluating avoidance, minimization and mitigation.
 - vii. Open discussion regarding effects

Mr. Ady suggested the existing Poinciana Parkway permit is a good template for evaluating the impacts, direct and secondary, the wetland assessments etc.

Ms. Gough asked about the lead agency for future permitting because the alternative alignments fall within both SFWMD and Southwest Florida Water Management District jurisdiction. Hydrologically the drainage basins discharge /drain to Reedy Creek. There could be a Memorandum of Agreement (MOA) between the SFWMD and SWFWMD, but Mr. Ady suggested that we meet with SWFWMD to discuss as they would need to agree.

Need to look at avoidance and minimization strategies and the previous permit provides a good template for this consideration as well.

Mitigation may be within the Reedy Creek bank, but sufficient credits may not be available. Additional mitigation options may be evaluated. Additionally, an evaluation of the effects on the bank needs to be evaluated and again the District indicated the previous permit may be a good template. The team has begun coordination with the bank owners/consultants.

Because there are impacts to the SFWMD Upper Lakes Basin, coordination with SFWMD Real Estate division will be needed during design and permitting.

Mr. Ady stressed the point that impacts need to be minimized.

Modica and Associates with Kimley-Horn has conducted field evaluations of the wetlands and listed species surveys will begin in January. All of this will be summarized in the PD&E documentation.

5. ACTION ITEMS